

## Who Has...?

The student will represent verbal quantitative situations algebraically and evaluate these expressions for given replacement values of the variables.

**SOL:** A.1

**MATERIALS:** deck of *Who Has...?* cards

**Groups:** small group to whole class

**Game:**

Pass out the entire deck to students. Any student may begin by reading his or her card aloud. The student with the answer responds by reading his/her card. Play continues until all cards are used. Timed class competition is an option.

*Who Has...?* cards

<b>I have <math>5 + 2x</math>.</b> <b>Who has a number 3 less than my number?</b>	<b>I have <math>10x</math>.</b> <b>Who has my number decreased by <math>9x</math>?</b>
<b>I have <math>2 + 2x</math>.</b> <b>Who has a number twice as large as my number?</b>	<b>I have <math>x</math>.</b> <b>Who has the square of my number?</b>
<b>I have <math>4x + 4</math>.</b> <b>Who has a number 4 less than my number?</b>	<b>I have <math>x^2</math>.</b> <b>Who has the perimeter of an equilateral triangle of side <math>2x</math>?</b>

<p><b>I have <math>4x</math>.</b></p> <p><b>Who has the square of my number?</b></p>	<p><b>I have <math>6x</math>.</b></p> <p><b>Who has 6 more than my number?</b></p>
<p><b>I have <math>16x^2</math>.</b></p> <p><b>Who has my number increased by <math>9x^2</math>?</b></p>	<p><b>I have <math>6x + 6</math>.</b></p> <p><b>Who has <math>\frac{1}{6}</math> of my number?</b></p>
<p><b>I have <math>25x^2</math>.</b></p> <p><b>Who has the square root of my number?</b></p>	<p><b>I have <math>x + 1</math>.</b></p> <p><b>Who has the square of my number?</b></p>
<p><b>I have <math>5x</math>.</b></p> <p><b>Who has twice my number?</b></p>	<p><b>I have <math>9x^2</math>.</b></p> <p><b>Who has a square root of my number?</b></p>
<p><b>I have <math>x^2 + 2x + 1</math>.</b></p> <p><b>Who has twice Mary's age three years ago if she is <math>x</math> years old now?</b></p>	<p><b>I have <math>3x</math>.</b></p> <p><b>If my number is the length of the side of a square, who has its perimeter?</b></p>
<p><b>I have <math>2x - 6</math>.</b></p> <p><b>Who has 6 more than my number?</b></p>	<p><b>I have <math>12x</math>.</b></p> <p><b>Who has my value if <math>x = \frac{1}{4}</math>?</b></p>

<p><b>I have <math>2x</math>.</b></p> <p><b>Who has the square of my number?</b></p>	<p><b>I have 3.</b></p> <p><b>Who has <math>3x</math> minus my number?</b></p>
<p><b>I have <math>4x^2</math>.</b></p> <p><b>Who has my number decreased by 1?</b></p>	<p><b>I have <math>3x - 3</math>.</b></p> <p><b>If I am the perimeter of an equilateral triangle, who has the length of each side?</b></p>
<p><b>I have <math>4x^2 - 1</math>.</b></p> <p><b>Who has a factor of my number?</b></p>	<p><b>I have <math>x - 1</math>.</b></p> <p><b>If my number is squared, who has my middle term?</b></p>
<p><b>I have <math>2x + 1</math>.</b></p> <p><b>Who has my number if <math>x = 4</math>?</b></p>	<p><b>I have 25.</b></p> <p><b>Who has a number that is <math>4x^2</math> less than my number?</b></p>
<p><b>I have 9.</b></p> <p><b>Who has the product of my number and the square of <math>x</math>?</b></p>	<p><b>I have <math>25 - 4x^2</math>.</b></p> <p><b>Who has a factor of my number?</b></p>
<p><b>I have <math>-2x</math>.</b></p> <p><b>If <math>x = 3</math>, who has the square of my number?</b></p>	<p><b>I have 36.</b></p> <p><b>Who has the largest perfect square less than my number?</b></p>